Jonsbo TK-1

JONSBO TK-1 Micro ATX Mini Tower Computer Case
USER MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your JONSBO TK-1 Micro ATX Mini Tower Computer Case. Please read this manual thoroughly before beginning assembly to ensure correct installation and optimal performance.

Image 1.1: JONSBO TK-1 2.0 Separated Cabinet Case Overview. This image displays the overall design of the TK-1 case, highlighting its separated cabinet structure.

Key Features:

- **Hyperboloid Glass Design:** Features 2.5-sided curved tempered glass for a panoramic view of internal components.
- **Separated Cabinet Structure:** Optimizes internal space and cable management by separating the main components from the power supply and drives.
- **Aluminum Alloy Shell:** Constructed with durable aluminum alloy for a premium feel and robust structure.
- **Vertical Air Duct Design:** Supports efficient cooling with bottom-up airflow, accommodating up to two 120mm fans at the top and two 120mm fans at the bottom.
- **Motherboard Compatibility:** Supports Micro-ATX, MATX, and Mini-ITX motherboards, including those with

back-mounted connectors for cleaner wiring.

- **Versatile Storage Options:** Provides bays for 3.5" HDDs and 2.5" SSDs.
- **Front I/O Ports:** Includes USB 3.2 Gen2 Type-C (10Gbps), USB 3.0, and a combined Audio/Mic port.

2. Setup and Installation

2.1 Unpacking the Case

Carefully remove the JONSBO TK-1 case from its packaging. Inspect for any damage during transit. Retain the packaging for future transportation or storage.

2.2 Component Identification

Before installation, familiarize yourself with the case components and included accessories:

- JONSBO TK-1 Chassis
- Accessory box (screws, cable ties, standoffs)
- User Manual (this document)

Image 2.1: Empty JONSBO TK-1 Case Interior. This image shows the internal layout of the case before component installation, highlighting the main chamber and the separated compartment.

2.3 Motherboard Installation

The TK-1 supports ITX and M-ATX motherboards. It is designed to accommodate "back-mounted motherboards" where connectors are on the underside, facilitating cleaner cable routing.

1. Remove the side glass panel by unscrewing the thumb screws.
2. Install the necessary motherboard standoffs onto the motherboard tray.
3. Carefully place your motherboard onto the standoffs, aligning the screw holes.
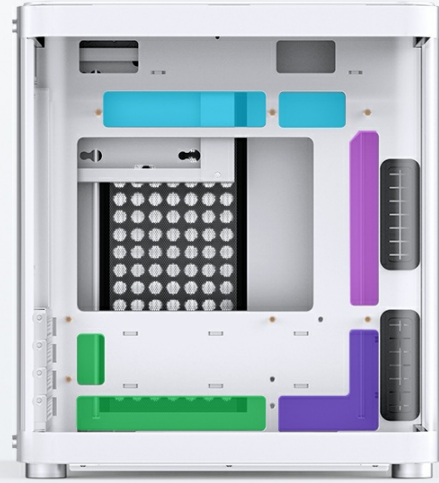4. Secure the motherboard with the provided screws.

Image 2.2: Back-Mounted Motherboard Support. This diagram illustrates the internal layout for back-mounted motherboards, showing designated areas for power, SATA/USB, and audio/front interfaces.

2.4 Power Supply Unit (PSU) Installation

The case supports ATX power supplies up to 220mm in length.

1. Locate the PSU mounting area in the separated cabinet structure.
2. Secure the PSU to the mounting bracket using the provided screws.
3. Slide the PSU into its designated compartment and secure it.

Image 2.3: PSU Compatibility. This image highlights the power supply compartment, indicating support for ATX PSUs up to 200mm.

2.5 Storage Drive Installation

The case offers flexible storage options:

- Two 3.5" HDD bays
- One 2.5" SSD bay and one 3.5" HDD bay

1. Identify the drive bays located in the separated compartment.
2. Mount your 3.5" HDDs or 2.5" SSDs using the appropriate screws.
3. Connect data and power cables to the drives.

Large capacity hard drive Storage without anxiety

Support 3.5" HDD *2 HDD bay or
2.5" SSD*1/3.5" HDD*1 HDD bay
3.5"HDD *2

2.5"SSD*1 / 3.5"HDD*1   3.5"HDD*2

Image 2.4: Storage Drive Bays. This image illustrates the various configurations for installing 3.5" HDDs and 2.5" SSDs within the case's storage compartment.

2.6 Graphics Card (GPU) Installation

The case supports GPUs with a maximum length of 280mm.

1. Remove the necessary expansion slot covers.
2. Insert the graphics card into the PCIe slot on the motherboard.
3. Secure the graphics card with screws.

High-order graphics card games are not limited

GPU lenghth Max. 280mm
The cold air flow is blown directly through by the bottom fan to strengthen the heat dissipation

Image 2.5: GPU Length Support. This image demonstrates a graphics card installed in the case, indicating the maximum supported GPU length of 280mm.

2.7 Cooling System Installation

The TK-1 features a vertical air duct design for efficient heat dissipation.

- **Top Fan Positions:** Two 120mm fans (supports 240mm AIO).
- **Bottom Fan Positions:** Two 120mm fans.
- **CPU Air Cooler Height:** Maximum 165mm.

1. Mount fans or AIO radiators to their respective positions using the provided screws.
2. Ensure proper fan orientation for optimal airflow (bottom-up is recommended).

Image 2.6: Cooling Recommendations. This image provides visual examples of AIO and air cooler installations, along with recommended fan placements for the JONSBO TK-1 case.

2.8 Front I/O Connection

Connect the front panel cables to the corresponding headers on your motherboard.

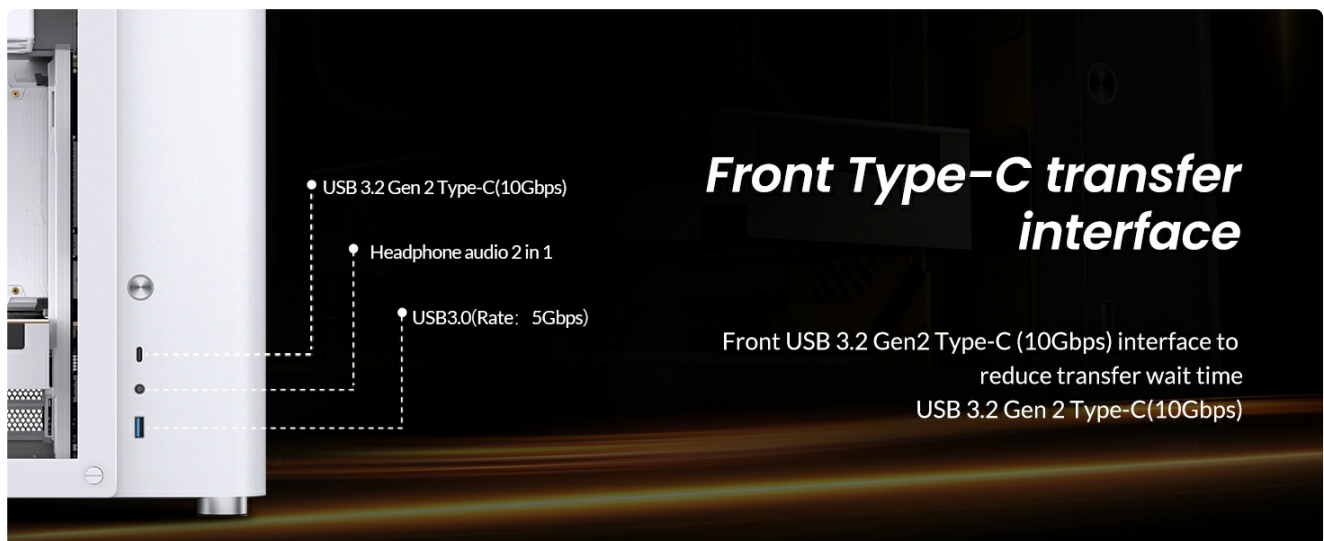- USB 3.2 Gen2 Type-C (10Gbps)
- USB 3.0
- AUDIO & MIC (combined)

Image 2.7: Front I/O Ports. This image details the location and types of front panel connectors available on the JONSBO TK-1 case.

3. Operating Guidelines

Once all components are installed and connected, ensure all panels are securely fastened. Connect your peripherals, monitor, and power cable. Press the power button to start your system.

3.1 Airflow Management

The JONSBO TK-1 is designed with a vertical air duct to prevent heat accumulation. Optimal cooling is achieved by drawing cool air from the bottom and exhausting hot air through the top. Ensure that fans are installed in the correct

orientation to facilitate this airflow pattern.

Vertical ascentNo heat accumulation

4-position 120mm fan position, bottom-up air flow can quickly cover the heating hardware and exhaust heat from the top vent.

Multiple heat dissipation openings to improve heat dissipation and circulation efficiency

Image 3.1: Vertical Airflow. This image illustrates the vertical airflow path within the JONSBO TK-1 case, showing cool air intake from the bottom and hot air exhaust from the top.

4. Maintenance

Regular maintenance helps ensure the longevity and performance of your computer case.

4.1 Cleaning the Case

- **Exterior:** Use a soft, damp cloth to wipe down the aluminum alloy and glass surfaces. Avoid abrasive cleaners.
- **Glass Panels:** The 4mm tempered glass panels have a 2H hardness explosion-proof protective film. Clean gently with a microfiber cloth.
- **Dust Filters:** The case includes magnetic dust screens on the bottom and a built-in filter on the PSU side panel. Periodically remove and clean these filters to maintain optimal airflow and prevent dust buildup.

4.2 General Care

- Ensure the case is placed on a stable, level surface.
- Avoid placing heavy objects on top of the case.
- Do not expose the case to extreme temperatures or direct sunlight for prolonged periods.

5. Troubleshooting

This section addresses common issues you might encounter during assembly or operation.

5.1 Installation Difficulties

- **Tight Spaces:** The TK-1 is a compact mini tower case. Take your time during component installation, especially with cable management, to ensure all parts fit correctly.
- **Stripping Screws:** The case uses small screws for certain panels. Apply gentle pressure and use the correct screwdriver size to avoid stripping.

- **Fan Fitment:** Ensure fans and radiators adhere to the specified dimensions. For example, some 120mm AIOs might have clearance issues with certain motherboard components if fan thickness exceeds 25mm.

5.2 Airflow and Temperature Issues

- **High Temperatures:** Verify that all fans are installed with the correct airflow direction (bottom intake, top exhaust). Ensure dust filters are clean and not obstructing airflow.
- **Fan Noise:** Check that fan screws are tightened and no cables are interfering with fan blades.

5.3 Front I/O Not Functioning

- Ensure all front panel cables (USB, Audio) are securely connected to the correct headers on your motherboard. Refer to your motherboard manual for header locations.

6. Specifications

Image 6.1: JONSBO TK-1 Dimensions and Specifications. This image provides a detailed diagram of the case dimensions and a summary of its technical specifications.

Feature	Specification
Model No.	TK-1
Dimensions (W×D×H)	299mm × 310mm × 345mm (including foot pads)
Material	2.5mm Aluminum / 1mm Steel Plate / 4mm Tempered Glass
Drive Bays	3.5" HDD*2 or 2.5" SSD*1 / 3.5" HDD*1
Compatible Motherboard	ITX / M-ATX
CPU Cooler Height (Max)	≤165mm
AIO Support	Top: 240mm (Optional)
GPU Length (Max)	≤280mm

Feature	Specification
Fan Support	Top: 120mm*2 (Optional), Bottom: 120mm*2 (Optional)
Front I/O Ports	USB3.2 Gen2 Type-C*1 (10Gbps), USB3.0*1, AUDIO&MIC*1 (2 in 1)
Power Supply Support	ATX ≤220mm
Expansion Slots	4
Net Weight	5.9 KG (approx. 13 lbs)

7. Warranty and Support

7.1 Warranty Information
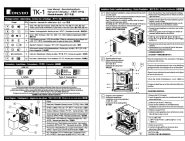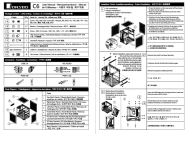
JONSBO products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official JONSBO website. Keep your proof of purchase for warranty claims.
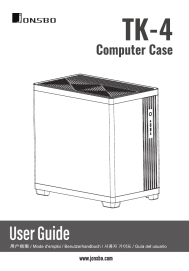
7.2 Technical Support

If you encounter any issues or have questions not covered in this manual, please contact JONSBO customer support. You can find contact information and additional resources on the official JONSBO website or through your retailer.

For more information, visit the JONSBO Store on Amazon.

Related Documents - TK-1

	JONSBO TK-1 PC Case: Installation Guide and User Manual This document provides a comprehensive installation guide and user manual for the JONSBO TK-1 PC case. It covers package contents, a detailed parts list, and step-by-step instructions for assembling your computer system within the TK-1 chassis, including guidance on installing the motherboard, PSU, storage drives (SSD/HDD), graphics card, and cooling components. Ensure all steps are followed for proper setup.
	JONSBO C6 PC Case: User Manual and Installation Guide Comprehensive user manual and installation guide for the JONSBO C6 PC case. This document details package contents, component identification, and step-by-step assembly instructions for building your PC.

	[JONSBO BO400CG Computer Case User Guide - Installation and Specifications](#) Comprehensive user guide for the JONSBO BO400CG computer case, detailing technical specifications, compatibility, and step-by-step installation instructions for components like motherboards, power supplies, storage, and graphics cards.
	[JONSBO BO400 Computer Case Installation Manual and Specifications](#) Comprehensive guide to installing and configuring the JONSBO BO400 ATX computer case, detailing technical specifications, component compatibility, cooling options, and step-by-step assembly instructions.
	[JONSBO TK-4 Computer Case User Manual and Installation Guide](#) Comprehensive user manual and installation guide for the JONSBO TK-4 computer case, detailing product specifications, parts list, and step-by-step assembly instructions for PC building.
	[JONSBO TK-3 PC Case Installation Guide](#) Comprehensive installation manual for the JONSBO TK-3 ATX PC case, detailing package contents, component identification, and step-by-step assembly instructions for hardware installation.